

Searching PAJ

MENU

NEWS

HELP

Search Results : 73

Index Indication

Clear

Text Search

If you want to conduct a Number Search, please click on the button to the right.

Number Search

Applicant, Title of invention, Abstract — e.g. computer semiconductor

If you use the AND/OR operation, please leave a **SPACE** between keywords.

One letter word or **Stopwords** are not searchable.

magnetic

OR

AND

fare ticket

OR

AND

smart ic noncontact non-contact contactless contact-less

OR

AND

Date of publication of application — e.g. 19980401 - 19980405

- 20030721

AND

IPC — e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a **SPACE** between keywords.

Search

Stored data

No.	Publication No.	Title
1.	<u>2003 - 132308</u>	CREDIT CARD ALSO USED AS COMMUTATION TICKET
2.	<u>2003 - 058835</u>	CARD INFORMATION RELOADING SYSTEM, MAGNETIC CARD PROCESSOR, IC CARD PROCESSOR, AND METHOD FOR RELOADING CARD INFORMATION
3.	<u>2002 - 342799</u>	AUTOMATIC TICKET EXAMINING MACHINE AND NON-CONTACT TYPE TOKEN PROCESSOR TO BE USED FOR THE SAME
4.	<u>2002 - 304643</u>	DEVICE FOR HANDLING VARIOUS KINDS OF MEDIA AND CARD PROCESSOR
5.	<u>2002 - 190037</u>	MEDIUM PROCESSING DEVICE
6.	<u>2002 - 133455</u>	AUTOMATIC SERVICE PROVIDING SYSTEM
7.	<u>2002 - 133448</u>	METHOD FOR USING ELECTRONIC TICKET
8.	<u>2002 - 117421</u>	RAILROAD USE MANAGEMENT SYSTEM
9.	<u>2002 - 063611</u>	AUTOMATIC TICKET EXAMINATION MACHINE
10.	<u>2001 - 283261</u>	TICKET ISSUING DEVICE
11.	<u>2001 - 175739</u>	GUIDING DEVICE
12.	<u>2001 - 084416</u>	AUTOMATIC TICKET CHECKING AND COLLECTING
13.	<u>2000 - 353259</u>	ENTRANCE/EXIT MANAGEMENT SYSTEM
14.	<u>2000 - 298739</u>	AUTOMATIC TICKET EXAMINATION MACHINE
15.	<u>2000 - 276620</u>	AUTOMATIC TICKET GATE
16.	<u>2000 - 272279</u>	MEMBERSHIP CARD HAVING COUPON TICKET FUNCTION
17.	<u>2000 - 251098</u>	MAGNETIC TRAFFIC CARD WITH IC AND TICKET EXAMINATION MACHINE
18.	<u>2000 - 215333</u>	PARKING CHARGE SERVICE SYSTEM AND COMMON PARKING TICKET EXCHANGING MACHINE FOR THE SYSTEM
19.	<u>2000 - 137840</u>	TRAIN SERVICE ROBOT
20.	<u>2000 - 113251</u>	AUTOMATIC TICKET EXAMINER
21.	<u>2000 - 090310</u>	AUTOMATIC TICKET EXAMINATION MACHINE
22.	<u>2000 - 090309</u>	INFORMATION RECORDING MEDIUM AND ITS PROCESSOR
23.	<u>2000 - 020763</u>	AUTOMATIC TICKET EXAMINING MACHINE
24.	<u>11 - 203512(1999)</u>	INFORMATION RECORDING MEDIUM PROCESSOR
25.	<u>11 - 203511(1999)</u>	INFORMATION RECORDING MEDIUM PROCESSOR
26.	<u>11 - 203510(1999)</u>	INFORMATION RECORDING MEDIUM PROCESSOR

27. 11 - 175786(1999) TOLL RECEPTION SYSTEM FOR TOLL ROAD
28. 11 - 175774(1999) AUTOMATIC TICKET EXAMINING MACHINE
29. 11 - 139056(1999) METHOD FOR USING MAGNETIC CARD AND NON-CONTACT TYPE IC CARD, COMMUTER TICKET, AND APPARATUS FOR CHANGING RECORDED CONTENT OF COMMUTER TICKET
30. 11 - 045360(1999) AUTOMATIC TICKET EXAMINATION DEVICE USING IC CARD
31. 11 - 045354(1999) AUTOMATIC TICKET EXAMINING MACHINE
32. 10 - 240970(1998) ISSUING UNIT
33. 10 - 208425(1998) SPECIAL CD
34. 10 - 208089(1998) TRANSACTION PROCESSING DEVICE AND AUTOMATIC TICKET EXAMINATION MACHINE
35. 10 - 200451(1998) CONTACTLESS DETECTING DEVICE
36. 10 - 124711(1998) GUIDE DEVICE AND AUTOMATIC TICKET EXAMINATION MACHINE
37. 09 - 288747(1997) AUTOMATIC TICKET EXAMINATION DEVICE
38. 09 - 288746(1997) AUTOMATIC TICKET EXAMINATION MACHINE
39. 09 - 223174(1997) RIDE MANAGEMENT SYSTEM
40. 08 - 287307(1996) AUTOMATIC VENDING MACHINE
41. 08 - 273010(1996) INFORMATION RECORDING MEDIUM PROCESSOR
42. 08 - 255271(1996) AUTOMATIC TICKET GATE
43. 08 - 153222(1996) MAGNETIC DATA PROCESSOR FOR STATION WORK EQUIPMENT
44. 08 - 138094(1996) AUTOMATIC TICKET CHECKING AND COLLECTING MACHINE
45. 08 - 083368(1996) AUTOMATIC TICKET EXAMINATION MACHINE
46. 08 - 016851(1996) AUTOMATIC TICKET EXAMINATION MACHINE
47. 07 - 272016(1995) AUTOMATIC TICKET EXAMINING MACHINE
48. 07 - 200890(1995) AUTOMATIC TICKET INSPECTING MACHINE AND NONCONTACT TICKET USED FOR THE SAME
49. 07 - 146956(1995) AUTOMATIC TICKET EXAMINING MACHINE
50. 07 - 143044(1995) CONTACTLESS COMMUNICATION MEDIUM

No.	Publication No.	Title
51.	<u>07 - 141537(1995)</u>	NONCONTACT MEDIUM PROCESSOR
52.	<u>07 - 121742(1995)</u>	AUTOMATIC TICKET EXAMINATION DEVICE
53.	<u>07 - 093422(1995)</u>	REPAST DATA PROCESSING SYSTEM AND PRINTED MATTER FOR REPAST
54.	<u>07 - 057124(1995)</u>	FACILITY USE TICKET ISSUING MACHINE
55.	<u>07 - 021430(1995)</u>	NON CONTACT AUTOMATIC TICKET EXAMINATION MACHINE
56.	<u>07 - 014036(1995)</u>	CONTACTLESS AUTOMATIC TICKET EXAMINATION MACHINE
57.	<u>06 - 301831(1994)</u>	CONTACTLESS TICKET EXAMINATION MACHINE
58.	<u>06 - 274718(1994)</u>	GATE SYSTEM CONTROL METHOD
59.	<u>06 - 139416(1994)</u>	DATA PROCESSOR AND ITS CARD INSERTING PART
60.	<u>06 - 131523(1994)</u>	AUTOMATIC FARE ADJUSTING MACHINE TO BE APPLIED ALSO TO CONTACTLESS CARD
61.	<u>06 - 036090(1994)</u>	AUTOMATIC TICKET OR THE LIKE ISSUING DEVICE
62.	<u>05 - 298509(1993)</u>	AUTOMATIC TICKET EXAMINATION MACHINE
63.	<u>05 - 291991(1993)</u>	NON-CONTACT TRANSMITTING DEVICE
64.	<u>05 - 290233(1993)</u>	AUTOMATIC TICKET COLLECTING/EXAMINING DEVICE
65.	<u>05 - 258157(1993)</u>	MAGNETIC CARD PROCESSOR
66.	<u>05 - 165857(1993)</u>	NON-CONTACT MANAGING DEVICE
67.	<u>05 - 046836(1993)</u>	NON-CONTACT TYPE TICKET EXAMINATION SYSTEM
68.	<u>04 - 283892(1992)</u>	AUTOMATIC TICKET EXAMINATION DEVICE
69.	<u>03 - 278196(1991)</u>	PASSENGER MONITOR SYSTEM
70.	<u>03 - 268195(1991)</u>	AUTOMATIC TICKET EXAMINING MACHINE
71.	<u>63 - 187383(1988)</u>	PORTABLE STORAGE MEDIUM READING AND DISPLAYING DEVICE
72.	<u>62 - 239286(1987)</u>	IC CARD SYSTEM
73.	<u>62 - 233895(1987)</u>	ELECTRONIC BANKING TERMINAL DEVICE

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3165	magnetic near10 (fare ticket)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 07:10
L2	3329	(smart ic non\$1contact contact\$1less) near10 (fare ticket)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 07:11
L3	188	1 and 2 and (credit debit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 08:12
L4	17	("4636951" "5265874" "5290033" "5674128" "5766076" "5800269" "6048269" "6089982" "6168522" "6280328" "6537151" "6547131" "6585598" "6607441" "6743097" "6749510" "RE37414").PN. OR ("6916244"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/30 08:01
L5	2098	(writing near10 reading) near10 (smart ic contact non\$1contact contact\$1less) near20 (fare ticket card)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 08:06
L6	124	(writing near10 reading) near10 magnetic near20 (fare ticket)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 08:06
L7	12	5 and 6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 08:06
L8	9305	(credit debit) near10 (reader reading)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 08:12

EAST Search History

L9	14295	(fare ticket metro\$1card) near10 (reader reading insert\$4 accept\$4 receiv\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 08:13
L10	1434	8 and 9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 08:13
L11	14	10 and 5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 08:13
L39	2	("200129774").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/30 10:51
S1	3	("20030019927" "4778983" "5397 886").PN.	US-PGPUB; USPAT	OR	ON	2006/05/15 13:33
S2	890	(vending kiosk) same (fare (pre\$1paid adj card))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/29 11:55
S3	4784618	contact contactless (non adj contact) magnetic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 20:29
S4	355	S2 and S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 13:54
S5	57019	add near10 value	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 13:55
S6	23	S4 and S5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39

EAST Search History

S7	891	(vending kiosk) same (fare (pre\$1paid adj card))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 20:29
S8	4786593	contact contactless (non adj contact) magnetic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:39
S9	104	S7 same S8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 20:08
S10	891	(vending kiosk) same (fare (pre\$1paid adj card))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 20:08
S11	4786593	contact contactless (non adj contact) magnetic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 20:08
S12	104	S10 same S11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 20:08
S13	82	S12 and @ad<="20030721"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 17:53
S14	23067	contact and (contactless (non adj contact)) and magnetic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 22:34
S15	1765	(vending kiosk) and (fare (pre\$1paid adj card))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 20:52
S16	148	S14 and S15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 20:30

EAST Search History

S17	62	S16 and @ad<="20030721"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 22:51
S18	28198	(vending kiosk pos) and (cashless credit debit card)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 21:06
S19	5956	S18 and (fare (pre\$1paid adj card) ticket)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 21:07
S20	3186	S19 not (currency bill coin)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 21:08
S21	173	S14 and S20	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 20:53
S22	13	S21 and @ad<="19991021"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 21:02
S23	1006	S20 and @ad<="19991021"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 22:14
S24	57085	add near10 value	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 22:12
S25	24	S23 and S24	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 21:04
S27	21598	(vending kiosk (point adj sale)) and (cashless credit debit card)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 21:26

EAST Search History

S28	10407	(purchas\$4 buy\$4 (add\$4 adj value)) same (fare (pre\$1paid adj card) ticket)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 21:46
S30	2356	S27 and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 21:26
S31	596	S30 not (currency bill coin cash)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 21:47
S32	26	S14 and S31	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 21:09
S33	12643	(vending kiosk (point adj sale)) and (cashless credit debit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 17:52
S34	1905	S33 and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 21:26
S35	343	S34 not (currency bill coin cash)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 21:26
S36	65	S35 and @ad<="19991021"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 21:26
S38	6642	(reading reader) near20 (fare (pre\$1paid adj card) ticket)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 21:47
S41	356	((adjust\$4 edit\$4 add\$4) adj value) renew\$4) near20 (fare (pre\$1paid adj card) ticket)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 21:49

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S42	60	S41 and S38	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 21:50
S43	1146	((add\$4 adjust\$4) near10 (value amount)) same (fare ticket)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 22:12
S44	746	((add\$4 adjust\$4) near10 (value amount)) near20 (fare ticket)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 22:35
S45	266	S44 and (cashless credit debit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 22:13
S46	62	S45 and @ad<="19991021"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 22:31
S47	21	S14 and S44	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 22:31
S49	834	((add\$4 adjust\$4) near10 (value amount monetary money)) near20 (fare ticket)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 22:36
S51	753	((contactless (non adj contact)) near10 (reading reader)) and (magnetic near10 (reading reader))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 22:36
S52	8	S49 and S51	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 22:37
S53	206	S45 and @ad<="20030721"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 22:51

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S55	189	S53 not S42	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 22:54
S56	77	S55 not gam\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 22:54
S57	184	(vending kiosk (point adj sale)) same ((cashless credit debit) near5 (only solely))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 17:53
S58	152	S57 and @ad<="20030721"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 19:21
S59	2959	(fare (pre\$1paid adj card)) same (credit debit cash\$1less)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 19:20
S60	892	(vending kiosk) same (fare (pre\$1paid adj card))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 19:20
S61	188	S59 and S60	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 19:20
S62	154	S61 and @ad<="20030721"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 19:21
S63	140	S62 not S58	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 19:21
S64	4	((("6860616") or ("4320292") or ("20040076460") or ("5599578")). PN.	US-PGPUB; USPAT	OR	OFF	2006/05/23 11:57

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S65	2	((("6374252") or ("5398336"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/05/23 11:57
S66	402	(card near10 (reading reader)) same magnetic same (contact\$1less non\$1contact) same contact	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/29 12:10
S67	13	(vending kiosk) same (fare (pre\$1paid adj card) ticket) and S66	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/29 11:59
S68	54	(vending kiosk) and S66	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/29 12:11
S69	41	S68 not S67	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/29 11:59
S70	15	("5124535").PN. OR ("5382781"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/29 12:06
S71	57286	(reader reading) near10 magnetic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/29 12:12
S72	40121	(reader reading) near10 (smart ic contact non\$1contact contact\$1less)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/29 12:12
S73	9305	(reader reading) near10 (credit debit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/29 12:11
S74	479	(vending kiosk) and S71 and S72 and S73	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/29 12:23

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S75	866	(reader reading) near10 magnetic near20 (fare ticket)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 08:06
S76	843	(reader reading) near10 (smart ic contact non\$1contact contact\$1less) near20 (fare ticket)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/29 12:22
S77	15	(vending kiosk) and S75 and S76 and S73	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/29 12:17
S78	25	S75 and S76 and S73	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/29 12:18
S79	10	S78 not S77	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/29 12:18
S80	15422	(reader reading) near10 magnetic near20 (fare ticket card)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 07:10
S81	19267	(reader reading) near10 (smart ic contact non\$1contact contact\$1less) near20 (fare ticket card)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 08:05
S82	443	(vending kiosk) and S80 and S81 and S73	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/29 12:23
S83	121	S82 and "235"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/29 12:23
S84	10	("4992647" "5352876" "5409092" "5550360" "5754654" "5969332").PN. OR ("6595416").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/29 12:47